

DRAFT

NAVY TRAINING SYSTEM PLAN

FOR THE

AGM-154

JOINT STANDOFF WEAPON SYSTEM

(JSOW)

N88-NTSP-A-50-8906B/D

FEBRUARY 1999

JOINT STANDOFF WEAPON SYSTEM (AGM-154)

EXECUTIVE SUMMARY

This Navy Training System Plan (NTSP) was developed to identify the life-cycle Manpower, Personnel, and Training (MPT) requirements associated with the Joint Standoff Weapon (JSOW) System, formerly known as the Advanced Interdiction Weapon System (AIWS).

The JSOW, a family of low cost air-to-ground weapons, utilizes a Global Position System (GPS) targeting capability and a relatively high-glide-ratio airframe that satisfies the standoff requirements for attacking interdiction targets from outside enemy point defenses during day, night, and adverse weather conditions. The up-front design strategy of the JSOW system calls for initial development of a basic vehicle, followed by the low-risk development of evolutionary upgrades to provide improved accuracy, enhanced kill capability, and an expanded target set. There are currently three configurations: JSOW Baseline (AGM-154A) for soft and area targets, JSOW/BLU-108 (AGM-154B) for use against moving land combat vehicle targets and JSOW Unitary (AGM-154C) for harder point targets and increased kill effectiveness.

The JSOW maintenance concept is based on an overall objective to ensure All-Up-Rounds (AUR) are available to fulfill commitments of operational activities and restore unserviceable missiles to serviceable condition with minimal downtime. Maintenance requirements are allocated to three levels of maintenance; organizational, intermediate and depot as defined in the Naval Airborne Weapons Maintenance Program (NAWMP), OPNAVINST 8600.2 (series).

JSOW will not alter manning requirements at organizational, intermediate, or NAWMU-1 maintenance activities. Existing skills are adequate to maintain the JSOW. No new Navy Enlisted Classifications (NEC) or Marine Corps Military Occupational Specialties (MOS) will be needed to support the JSOW System.

JOINT STANDOFF WEAPON SYSTEM (AGM-154)**TABLE OF CONTENTS**

	Page
Executive Summary.....	i
List of Acronyms.....	iii
Preface.....	vi
 PART I - TECHNICAL PROGRAM DATA	
A. Title-Nomenclature-Program	I-1
B. Security Classification.....	I-1
C. NTSP Principals.....	I-1
D. System Description	I-2
E. Developmental Test (DT) and Operational Test (OT).....	I-2
F. Ship/Aircraft and Equipment/System/Subsystem (E/S/S) Replaced.....	I-2
G. Description of New Development	I-2
H. Concepts.....	I-4
I. On Board (Inservice) Training.....	I-10
J. Logistics Support.....	I-10
K. Schedules.....	I-12
L. Government Furnished Equipment (GFE) and Contractor Furnished Equipment (CFE) Training Requirements	1-12
M. Related NTSPs and Other Applicable Documents.....	I-13
 PART II - BILLET AND PERSONNEL REQUIREMENTS	 II-1
PART III - TRAINING REQUIREMENTS.....	III-1
PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS.....	IV-1
PART V - MPT MILESTONES.....	V-1
PART VI - DECISION ITEMS/ACTION REQUIRED	VI-1
PART VII - POINTS OF CONTACT	VII-1

JOINT STANDOFF WEAPON SYSTEM (AGM-154)

LIST OF ACRONYMS

ACNO	Assistant Chief of Naval Operations
AIWS	Advanced Interdiction Weapon System
AO	Aviation Ordnanceman
ATM	Air Training Missile
AUR	All-Up-Round
BIA	Battle Impact Assessment
BIT	Built-In Test
CATM	Captive Air Training Missile
CMBRE	Common Munitions Bit/Reprogramming Equipment
CMC (MM)	Commandant of the Marine Corps, Manpower Management
CNO	Chief of Naval Operations
CV/CVN	CV/CVN Aircraft Carrier Conventional/Nuclear
DATM	Dummy Air Training Missile
DMSO	Director Major Staff Office
EOD	Explosive Ordnance Disposal
EODTEU	Explosive Ordnance Disposal Training and Evaluation Unit
FMS	Foreign Military Sales
FREST	Fleet Readiness Enlisted Skills Training
FRS	Fleet Replacement Squadron
FY	Fiscal Year
GPS	Global Positioning System
ILSP	Integrated Logistics Support Plan
IOC	Initial Operational Capability
JSOW	Joint Standoff Weapon
MALS	Marine Aviation Logistics Squadron
MAWSLANT	Medium Attack Weapons School Atlantic
MAWSPAC	Medium Attack Weapons School Pacific
MCAS	Marine Corps Air Station

JOINT STANDOFF WEAPON SYSTEM (AGM-154)

LIST OF ACRONYMS

MOS	Military Occupational Specialty
MPT	Manpower, Personnel, and Training
MTIP	Maintenance Training Improvement Program
MTU	Maintenance Training Unit
NAMTRAGRU	Naval Air Maintenance Training Group
NAS	Naval Air Station
NAVSCOLEOD	Naval Explosive Ordnance Disposal School
NAVPERSCOM	Navy Personnel Command
NAWMP	Naval Airborne Weapons Maintenance Program
NAWMU	Naval Airborne Weapons Maintenance Unit
NEC	Navy Enlisted Classification
NFO	Naval Flight Officer
NS	Naval Station
NRaD	Naval Research and Development
NSWC	Naval Surface Warfare Center
NTSP	Navy Training System Plan
OJT	On-the-Job Training
OPEVAL	Operational Evaluation
PEST	Practical Explosive Ordnance Disposal System Trainer
RFOU	Ready For Operational Use
RFT	Ready For Training
SFWSL	Strike Fighter Weapons School Atlantic
SFWSP	Strike Fighter Weapons School Pacific
TA	Training Agent
TECHEVAL	Technical Evaluation
TIPT	Training Integrated Product Team
USMC	United States Marine Corps
USN	United States Navy
WPNSTA	Weapons Station

JOINT STANDOFF WEAPON SYSTEM (AGM-154)

LIST OF ACRONYMS

WSO	Weapons and Sensor Operator
WTT	Weapons Training Team

JOINT STANDOFF WEAPON SYSTEM (AGM-154)

PREFACE

This Draft Navy Training System Plan (NTSP) for the Joint Standoff Weapon (JSOW) has been prepared to update the earlier approved NTP, number A-50-8906/A, dated March 1996. Update of this document was accomplished through a thorough review by the Naval Air Maintenance Training Group, Pensacola and the JSOW Training Coordinator, NAWC, CL.

Changes reflected in this document include minor changes, general updating of names and locations, course number and lengths.

PART I - TECHNICAL PROGRAM DATA

A. TITLE-NOMENCLATURE-PROGRAM

1. **Title-Nomenclature-Acronym.** Joint Standoff Weapon (JSOW)

2. **Program Element.** 0604727N

B. SECURITY CLASSIFICATION

1. Many elements of the JSOW are classified. The contents of this Navy Training System Plan (NTSP) are unclassified.

C. NTSP PRINCIPALS

Assistant Chief of Naval Operations/Director
Major Staff Office (ACNO/DMSO) Program Sponsor CNO (N880D5)
ACNO/DMSO Resource Sponsor..... CNO (N880D5)
Principal Development Activity (PDA)..... NAVAIRSYSCOM (PMA201)
Training Agency CINCLANTFLT
CINCPACFLT
COMNAVAIRESFOR
CNET (N-232/N-53)
CMC
Training Support Agency..... NAVAIRSYSCOM (PMA205)
Manpower and Personnel (MP) Mission Sponsor..... CNO (N1)
Commander Navy Personnel Command (CNPC) NAVPERSCOM (NPC-4,
NPC-40, 221)
Commandant of the Marine Corps
Manpower Management (CMC (MM))..... CMC (ASM-11)

D. SYSTEM DESCRIPTION

1. Operational Uses. The JSOW is a highly versatile air-to-ground weapon system for use in a variety of operational circumstances. JSOW is designed as a standoff weapon for first pass and maximum kills per sortie in a minimum launch altitude envelope. JSOW will be adaptable to aircraft navigational and target acquisition capabilities, with minimal restrictions on aircraft maneuvering. Navy and Marine Corps F/A-18C/D and Marine Corps AV-8B aircraft will use JSOW.

As part of the incremental strategy and reflecting the need for an inexpensive, but capable multi-purpose standoff weapon, the Baseline variant of JSOW will focus on the launch and leave mode suitable for use against area targets. The Baseline variant will utilize a submunition payload and minimum essential onboard guidance in conjunction with the Global Positioning System (GPS). Another variant is the BLU-108, which uses larger smart submunitions against armor and other ground vehicles. Variants of JSOW will be deployed over time in response to increased threats and improved launch aircraft capabilities.

2. Other Procurement. Foreign Military Sales (FMS) procurement is anticipated after OPEVAL.

E. DEVELOPMENTAL TEST (DT) AND OPERATIONAL TEST (OT).

1. OT Not Completed. Unitary OPEVAL is scheduled for 4th Qtr FY00.

2. DT and OT completed. Baseline OPEVAL and TECHEVAL, as well as OPEVAL for Navy JSOW/BLU-108 have been completed.

F. SHIP/AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM (E/S/S)

REPLACED. The Navy JSOW, formerly the Advanced Interdiction Weapon System (AIWS), is a joint Navy/Air Force effort. The JSOW Baseline will replace the Rockeye and Anti-Personnel/Anti-Material (APAM) programs. The Unitary variants will replace Laser-Guided Bombs, Maverick, Skipper 2 and the Walleye missile systems.

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. The JSOW design will provide a kinematically efficient air vehicle using conventional construction technology. The JSOW Baseline will be a glide weapon incorporating GPS for onboard navigation and guidance. The Unitary variant will include a seeker and unitary warhead. JSOW/BLU-108 will incorporate a sensor fuzed submunition payload, which is an infrared-seeking-explosive-formed-penetrator for use against moving land vehicles.

2. Physical Description.

a. Guidance Section. The guidance section will have aircraft-to-missile transfer alignment and will convert target information into guidance command signals using state-of-the-art mid-course guidance.

b. Warhead. The warhead provides the destructive force for the JSOW missile. The warhead configurations will meet operational requirements using submunitions or a unitary warhead.

c. Control Section. The control section will operate the fins, via electro-mechanical actuators, providing the vehicle with maneuvering capability.

d. Wings. Wings, combined with the airframe, provide the necessary lift, directional and roll stability. The wings deploy upon signal from the computer processor.

e. Fins. Fins provide directional force on the airframe in response to signals from the Guidance Control Section and control attitude and direction of the missile during free-flight to the target.

f. Dimensions and Weight (Approximate):

**Table I-1 Principal Weights And Dimensions
(Approximate)**

Configuration	Length (Inches)
Length	160.0 inches
Width	16.5 inches
Height	21.0 inches
Weight	1065.0 pounds

3. System Introduction. JSOW will be introduced into fleet arsenals as new production.

4. Significant Interfaces. JSOW will provide an electrical software interface between the host aircraft and missile to receive navigation and target acquisition information. JSOW will be compatible with the MIL-STD-1553 Data Bus and the MIL-STD-1760B interface.

5. New Features, Configurations, or Material. The design for the Unitary allows for unlimited growth potential through evolutionary enhancements such as affordable terminal guidance, data links, a unitary warhead, and smart submunitions. Unitary will provide increased accuracy allowing increased standoff launch ranges, target discrimination and precision aimpoint selection, enhanced kill capability, and an expanded target set (to include movable hard targets) and BIA through data link. JSOW/BLU-108 will incorporate a sensor fuzed submunition payload

consisting of an infrared-seeking-explosive-formed-penetrator for use against moving land vehicles at standoff ranges. These submunitions are deployed in two subpacks of three with a time delay between subpacks.

H. CONCEPTS

1. Operational Concept. JSOW is designed to be deployed with Navy and Marine Corps tactical commands. JSOW is intended for use by F/A-18 and AV-8B aircraft. JSOW is used during air-to-ground combat evolutions. The missile is launched from an aircraft, after target detection, to home in and destroy enemy ground targets.

2. Maintenance Concept. JSOW maintenance concept is based on an over-all objective to assure All Up Rounds (AUR) are available to fulfill commitments of operational activities and provide the means to restore unserviceable missiles to serviceable condition with minimal downtime. Maintenance requirements are allocated to three levels of maintenance as defined in the Naval Airborne Weapons Maintenance Program (NAWMP), OPNAVINST 8600.2 (series).

a. Organizational. Organizational level maintenance consists of functions normally performed by an operating unit on a daily basis. Organizational level maintenance is accomplished by weapons personnel assigned to the maintenance department to support the missions and tasks of the activity. Organizational level maintenance may be accomplished at the next higher level. Missiles requiring maintenance beyond the organizational level are returned to the intermediate level for maintenance or disposition. Organizational level maintenance of the JSOW missiles is limited to the following:

- Removal and installation of protective devices.
- Load/Download.
- Perform on/off Aircraft Built In Test (BIT).
- Perform missile pre-flight/postflight inspection.
- Upload mission plan.

b. Intermediate. Intermediate level maintenance is the responsibility of and is performed by designated maintenance activities that support user organizations. The intermediate level maintenance mission is to enhance and sustain combat readiness and mission capability by providing quality and timely material support to supported activities. The purpose of intermediate level maintenance is to ensure airborne weapons maintenance functions are performed at the level that ensures optimum economic use of resources. Tactical missiles Beyond the Capability of Maintenance (BCM) at the intermediate level are returned to the Depot level maintenance activity ashore for repair or disposition. Intermediate level maintenance for the JSOW consists of the following:

- Inspect and stow AUR and containers.

- Clean missile.
- Perform touch-up paint and minor corrosion control.
- Remove from and replace AUR in container.
- Inspect container, remove, and replace desiccant.
- Perform off-Aircraft BIT.
- Reprogram JSOW resident software with Common Munitions BIT/Reprogramming Equipment (CMBRE)

c. Depot. The primary mission of depot level activities is to augment stocks of serviceable material and support organizational and intermediate maintenance activities through the use of more extensive facilities and equipment. The prime contractor will perform AUR depot maintenance. Maintenance actions performed by depot activities consist of the following:

- Inspect and stow AUR and container.
- Remove from and install AUR into the container.
- Inspect and test missile guidance and control groups.
- Remove and replace external and select internal components only.
- Inspect, repair and rework payload and certain components of the safe and arm device.
- Inspect, repair, rework, modify and replace wings and fins.
- Repair and clean containers, and replace minor container components. Perform major repairs on containers.
- Corrosion control, paint re-stencils all sections listed above.
- Inspect, test, repair, rework and modify the guidance and control section to assembly, subassembly or component level. Reassemble and perform final test.
- Perform final system test and program JSOW resident software.

d. Sources of Technical Assistance. The Training Integrated Product Team (TIPT) will provide JSOW technical assistance to organizational and intermediate activities. TIPTs provide On-the-Job Training (OJT) for organizational and intermediate maintenance personnel and operational updates and briefings for flight crews.

3. Manning Concept. The introduction of the JSOW will not alter the manning requirements at organizational, intermediate, or depot maintenance activities. Manpower requirements are based on total workload requirements for a specific work center, and the skills needed to perform maintenance on systems supported by work center personnel. Existing skills are adequate to maintain the JSOW. No new NEC or MOS is needed to support JSOW.

4. Training Concept. Training will be provided to future JSOW operator, maintenance, and EOD personnel. This training will be developed in the following manner: Raytheon Systems

Company developed TECHEVAL courseware and will conduct training classes for maintenance and EOD personnel prior to TECHEVAL. Following TECHEVAL, the JSOW Weapons Training Team (WTT) identified by an (*) in section VII, will update these training materials and conduct training for OPEVAL participants. After OPEVAL, the WTT will continue to update the training materials as required and conduct initial instructor cadre training prior to the commencement of general follow-on training. For operator (aircrew) training, Naval Command, Control and Ocean Surveillance Center, RDT&E Division (NRaD) of San Diego developed TECHEVAL courseware curricula. The JSOW project pilot conducted the TECHEVAL training. The Interactive Courseware and operator course curriculum was updated for the OPEVAL training, which was taught by the JSOW Project Pilot, who again will provide initial instructor training prior to the beginning of follow-on training. Follow-on JSOW variants will necessitate training courseware modifications, which will be handled by the WTT with assistance from Raytheon Systems Company as, required. NAMTRAGRU will conduct follow-on training courses, with assistance from the WTT and Raytheon Systems Company as required for updates.

a. Initial Training. WTT instructor personnel will provide initial cadre training (Operator and Maintenance) to Navy and Marine Corps instructors approximately six months prior to JSOW IOC.

(1) TECHEVAL Training. TECHEVAL training was conducted approximately 30 days prior to commencement of TECHEVAL. Aircrew involved in TECHEVAL received training at China Lake on operational characteristics of JSOW from the JSOW project pilot. Course length was approximately nine hours. Maintenance personnel involved with TECHEVAL and designated WTT members received organizational and intermediate level training at China Lake from Raytheon Systems Company instructors. Course length was two days. EOD personnel participating in TECHEVAL received render safe procedures training at Indian Head, Maryland from Raytheon Systems Company instructors. Course length was two days. Following TECHEVAL, existing EOD training courseware will be modified to incorporate JSOW specific procedures.

(2) OPEVAL Training. OPEVAL training was conducted approximately 30 days prior to the commencement of OPEVAL. VX-9 Aircrew involved in OPEVAL, and other selected personnel, received training at China Lake on the operational characteristics of the JSOW from the JSOW Project Pilot. Anticipated course length was nine hours. Maintenance personnel involved with OPEVAL received organizational and intermediate level training at China Lake from WTT instructors.

b. Follow-On Training. WTT instructors will provide follow-on training to fleet schools three months prior to JSOW IOC. JSOW training information will be incorporated into existing operator and maintenance courses. NAMTRAGRU will conduct follow-on training in the schoolhouses, with assistance from the WTT and Raytheon Systems Company as required for updates.

(1) Operator. Aircrew will receive JSOW training with applicable aircraft training conducted at the Fleet Readiness Squadrons. The following aircrew courses require modification to include JSOW. The post FRS training conducted by the Navy Strike Fighter Weapon School has yet to be determined. This information is currently being developed by NRaD and will be included in future updates to this NTSP.

Table I-2 Operator Courses, F/A-18 Aircraft

Course Number	Course Title	RFT Date For AGM-154
D/E-2A-0601	F/A-18 Fleet Replacement Pilot Cat 1	TBD
D/E-2A-0602	F/A-18 Fleet Replacement Pilot (Attack) Cat 2A	TBD
D/E-2A-0604	F/A-18 Fleet Replacement Pilot Cat 3A	TBD
D/E-2A-0606	F/A-18 Fleet Replacement Pilot Cat 4	TBD
None	F/A-18D Fleet Replacement Pilot Category 1	TBD
None	F/A-18D Fleet Replacement Pilot Category 2	TBD
None	F/A-18D Fleet Replacement Pilot Category 3	TBD
None	F/A-18D Fleet Replacement Pilot Category 4	TBD
None	F/A-18D Weapons and Sensor Operator (WSO) Category 1	TBD
None	F/A-18D Weapons and Sensor Operator (WSO) Category 2	TBD
None	F/A-18D Weapons and Sensor Operator (WSO) Category 3	TBD
None	F/A-18D Weapons and Sensor Operator (WSO) Category 4	TBD

Note: The aircrew training course modification will involve an introductory familiarization with the JSOW weapon. Detail employment training will occur as individual squadrons cycle through the Strike Fighter Weapon Schools or execute their own internal training program.

Table I-3 Operator Courses, A/V-8B Aircraft

Course Number	Course Title	RFT Date For AGM-154
None	A/V-8 Pilot Basic	TBD
None	A/V-8 Pilot Transition	TBD
None	A/V-8 Pilot Conversion	TBD
None	A/V-8 Pilot Refresher	TBD
None	A/V-8 Pilot Modified Refresher	TBD

(2) Maintenance. Initial skill training course content will be updated to include JSOW information, and will not affect the training course length at the AO A1 School.

Table I-4 Maintenance Courses

Course Number	Course Title	RFT Date For AGM-154
C-646-2011	Aviation Ordnanceman Class A1 (Core)	On-line
C-646-2012	Aviation Ordnanceman "Class A1" School (Airwing Strand)	On-line
C-646-2013	Aviation Ordnanceman "Class A1" School (Ship/Shore Strand)	On-line

(3) Organizational. Training course content will be updated to include JSOW information, and will not affect course lengths. JSOW will be taught in the following organizational level maintenance training courses.

Table I-5 Organizational Level Maintenance

Course Number	Course Title	RFT Date For AGM-154
D/E-646-0640	F/A-18 Conventional Weapons Release and Loading	On-line
C-646-3893	A/V-8 Conventional Weapons Loading Organizational Course	On-line
C-646-9888	AV-8B Ordnance Technician Integrated Organization	On-line

Note: Part of M-646-0143 track.

(4) Intermediate. Existing courses will be updated to include JSOW data and will not affect the intermediate level maintenance course lengths.

Table I-6 Intermediate Level Maintenance

Course Number	Course Title	RFT Date For AGM-154
C-646-4108	Weapons Department Air Launched Weapons Supervisors	On-line
C-646-4109	Weapons Department Air Launched Weapons General	On-line
C-122-3111	Air Launched Guided Missiles Intermediate Maintenance	On-line
C-646-3105	Aviation Ordnance Intermediate Maintenance Technician	On-line

(5) Officer. Aircrew follow-on training courses will be modified to reflect JSOW data.

c. New or Modified Training Pipelines or Tracks. New training tracks will not be required. The course length of any course modified to include JSOW information will not increase, therefore the training tracks will not be affected.

Note: CMBRE training will be included in next update of this NTSP for both organizational and intermediate level training.

d. Explosive Ordnance Disposal Training. The Explosive Ordnance Disposal Phase II Navy course will be modified to include JSOW. The modification will not affect course length.

Table I-7 Explosive Ordnance Disposal Training

Course Number	Course Title	RFT Date For AGM-154
A-431-0011	Explosive Ordnance Disposal Phase II (NAVY)	April 99
A-431-0012	Explosive Ordnance Disposal Phase II (OTHERS)	April 99
G-431-0001	EOD Pre-Deployment Training	April 99
G-431-0003	EOD Shore Detachment Training	April 99
G-431-0005	EOD Mobile Team Training	April 99

I. ON-BOARD (INSERVICE) TRAINING

1. Proficiency or Other Training Organic to New Development. The Maintenance Training Improvement Program (MTIP) will be used to establish an effective and efficient training system that is responsive to fleet training requirements.

a. Maintenance Training Improvement Program (MTIP) Requirements.

The MTIP is a training management tool, which, through diagnostic testing, identifies individual training deficiencies at both the organizational and intermediate levels of maintenance. The MTIP will allow increased effectiveness in the application of training resources through identification of skill and knowledge deficiencies at the activity, work center or individual technician level. Refresher training will be utilized to enhance skill and knowledge levels as required.

Naval Air Maintenance Training Group (NAMTRAGRU) Headquarters at NATTC Pensacola, Florida will develop MTIP question and answer banks, along with the courseware. MTIP materials are to be based upon Section II of the Task and Skill Analysis Report. Questions shall be indexed to Work Unit Codes and curriculum learning objective numbers (where applicable).

2. Personnel Qualification Standards. There are no new PQS requirements for JSOW.

3. Other On-Board/In-service Training Packages. Marine Corps on-board training is based on the current series of MCO P4790.12, Individual Training Standards System Maintenance Training Management and Evaluation Program. This program is designed to meet Marine Corps as well as Navy OPNAVINST 4790.2G maintenance training requirements. It is a performance-based, standardized, level progressive, documentable, training management and evaluation program. It identifies and prioritizes task inventories by MOS through a front-end analysis process that identifies task, skill, and knowledge requirements of each MOS.

J. LOGISTICS SUPPORT

1. Manufacturer/Contract Numbers. Raytheon Systems Company, N00019-91-C-0196.

2. Program Documentation. The Naval Air Systems Command published and distributed ILSP No. MSL-002, Revision F, dated November 1995.

3. Technical Data Plan. Navy technical manual requirements have been developed per the Technical Manual Contract Requirements (TMCR) 79-92 document. These manuals are shown below:

Table I-2 Technical Manuals

Title	TM Number	Date	User Level
Airborne Weapons Stores Manual	A1-F18AE-LWS-000	Interim Chg Mar 97	O
Conventional Weapons Loading Checklist	A1-F18AE-LWS-610	Apr 97	O
Support Equipment Configuration Manual	NAVAIR 11-140-25	Interim Chg Mar 97	O/I
Airborne Weapons Assembly Manual for Air Launched Missiles	NA-140-6.1, Change 2 NA-140-6.2, Change 3 NA-140-6.2, Change 2	Sept 97 Sept 97 Sept 97	I I I
Airborne Weapons Assembly Manual Checklist for AGM-154	NA-140-6.2-14	Jan 98	I
Ship Weapons Installation Manual	NA-11-120-79	Feb 97	I
Approved Handling Equipment for Weapons and Explosives	OP 2173, Change 2	Interim Chg	O/I
Naval Airborne Weapons Maintenance Programs	PNAV 8600.2B Interim Change (Msg 160029Z)	Jul 97	O/I

4. Test Sets, Tools, and Test Equipment.

a. Organizational Level Maintenance.

- ADU-775/E, Transport adapter.
- ADU-783/E, Trolley adapter.
- Common Munitions BIT/Reprogramming Equipment (CMBRE)

b. Intermediate (Fleet) Level Maintenance.

- ADU-775/E, Transport Adapter.
- ADU-783/E, Trolley Adapter
- CMBRE

c. Depot Level Maintenance. Contractor Depot Level support is provided by Raytheon Systems Company.

5. Repair Parts. A repair parts list will be generated and will be available if the Navy chooses to develop organic support.

6. Human Systems Integration (HSI). N/A

K. SCHEDULES

1. **Schedule of Events.** The schedule of events is as follows:

a. Installation/Delivery Schedule. The installation schedule is yet to be determined. Installation schedules will be incorporated into updates of this NTSP based upon security classification.

b. Ready for Operational Use (RFOU) Schedule. To ensure all activities are RFOU with JSOW, all training activities will receive initial training and provide training to fleet activities deploying with the JSOW prior to Initial Operational Capability (IOC). Follow-on training identified in part III of this NTSP.

c. Time Required to Install at Operational Sites. N/A

d. Foreign Military Sales (FMS) and Other Source Delivery Schedule. FMS procurement is anticipated after OPEVAL.

e. Training Device (TD) and Technical Training Equipment (TTE) Delivery Schedule.

(1) Practical Explosive Ordnance Disposal System Trainer (PEST). PEST versions of the JSOW (AGM-154A) are used by NAVSCOLEOD as a training device for the rendering safe procedures taught to Explosive Ordnance Disposal (EOD) technicians. A PEST for future Unitary enhancements will also be required.

(2) Air Training Missile (ATM). JSOW ATM weapons with an installed Telemetry Instrumental Kit (TIK) will be used by aircrew personnel during OPEVAL.

(3) Dummy Air Training Missile (DATM). DATMs will be used for training canning, de-canning and loading/downloading procedures.

(4) Captive Air Training Missile (CATM). CATMs will be used as captive carry training devices for aircrewmembers. CATMs are required only for the Unitary variant.

L. GOVERNMENT FURNISHED EQUIPMENT (GFE) AND CONTRACTOR FURNISHED EQUIPMENT (CFE) TRAINING REQUIREMENTS.

1. **GFE/CFE Training Requirements.** NA

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

NTSP/DOCUMENT TITLE	DOCUMENT/ NTSP NUMBER	PDA CODE	STATUS
F/A-18 Weapon System	A-50-7703F/A	PMA-265	Approved Jan 1995
AV-8B Harrier Plus Weapon System	A-50-8210D/A	PMA-257	Approved Aug 1993
Advanced Interdiction Weapon System (AIWS) ILSP	MSL-002	NA	Approved Dec 1989
Advanced Interdiction Weapons Systems Revised Statement of Work	NA	PMA-201	Revised Draft Jul 1990
Manpower, Personnel, and Training Concept Document for the AIWS	63306N	PMA-205	Jul 1987
Integrated Logistic Support Plan Revision F	MSL-002	AIR-3.1.1K	Proposal Nov 1995

PART II - BILLET AND PERSONNEL REQUIREMENTS

The following elements are not affected by the introduction of the JSOW and, therefore, they are not included in Part II of this NTSP:

II.A. Billet Requirements

- II.A.1.a. Ready for Operational and Fleet Support Use – New Development Introduction Schedule
- II.A.1.b. Military Billets per Fleet Operational Unit [Including Fleet Readiness Squadrons (FRS)]/Activities - New
- II.A.1.c. Total Number of Billets Required by Fleet Support Units and/or Activities - New
- II.A.1.d. Total Fleet and Fleet Support Billets for New System
- II.A.2.a. Fleet and Fleet Support Replacement – Phase Out Schedule
- II.A.2.b. Military Billets per Fleet Operational Unit [Including Fleet Readiness Squadrons (FRS)]/Activities - Old
- II.A.2.c. Total Number of Billets Required by Fleet Support Units and/or Activities - Old
- II.A.2.d. Total Fleet and Fleet Support Billets – Old/Replaced System
- II.A.3. Net Total Officer and Enlisted Fleet and Fleet Support Billet Requirements
- II.A.4. Training Activities Staff (Instructor/Support) Billet Requirements
- II.A.5. Chargeable Student Billet Requirements
- II.A.6. Net Annual Incremental and Cumulative Billet Increases/Decreases

II.B. Personnel Requirements

- II.B.1. Fleet and Fleet Support Adjusted Annual Training Input Requirements – Class “A” School Training
- II.B.2. Fleet and Fleet Support Adjusted Annual Training Input Requirements – Skill Progression and Functional Training
- II.B.3. Foreign, Other Service and Non-Military Personnel Annual Training Input Requirements
- II.B.4. Reserve Personnel Mobilization Adjusted Annual Training Input Requirements
- II.B.5. Total Number of Instructor and Support Personnel Required for Training Activities
- II.B.6. Total Annual Training Input Requirements to Attain and Sustain Fleet, Fleet Support, Non-Military, Foreign, Reserve, Instructor and Support Requirements

NOTE 1: This section of the JSOW NTSP reflects maintenance billet and personnel requirements for the JSOW. It is a compilation of two organizational and one intermediate level NEC (AO 8342, AO 8842 and AO 6801, respectively). The addition of the JSOW to the organizational and intermediate level workloads is only a small percentage of the required workload

for those NECs. The NECs are not dedicated to the JSOW; therefore, the overall training throughput for the NEC will remain the same, i.e., account for the total NEC/MOS community, and not just activities receiving JSOW.

NOTE 2: All billets identified in this section are programmed through other NTSPs, e.g., F/A-18 NTSP applicable CV/CVN Class Total Ship NTSP, or applicable Shore Activity Manning Documents. The activities and associated billets are listed to assist the weapons training community in identifying and managing training requirements throughout the development, production, and deployment of the JSOW.

PART III - TRAINING REQUIREMENTS

III.A. TRAINING COURSE REQUIREMENTS

III.A.1. INITIAL TRAINING REQUIREMENTS

COURSE TITLE: JSOW Pilot/NFO Familiarization
COURSE DEVELOPER: NRaD/JSOW Project Pilot
INSTRUCTOR: WTT
COURSE LENGTH: 1 day

<u>LOCATION, UIC</u>	<u>DATE BEGIN</u>	<u>STUDENTS OFF</u>	<u>ENL</u>	<u>CIV</u>	<u>ACTIVITY DESTINATION</u>
NAWC, China Lake, 60530	30 days prior to first evaluation	6.0			Input TECHEVAL/OPEVAL
		0.0			AOB
		0.0			Chargeable

COURSE TITLE: JSOW O & I Level Maintenance (TECHEVAL/OPEVAL)
COURSE DEVELOPER: TI
INSTRUCTOR: WTT
COURSE LENGTH: 2 day

<u>LOCATION, UIC</u>	<u>DATE BEGIN</u>	<u>STUDENTS OFF</u>	<u>ENL</u>	<u>CIV</u>	<u>ACTIVITY DESTINATION</u>
NAWC, China Lake, 60530	30 days prior to first evaluation		6.0		Input TECHEVAL/OPEVAL
			0.0		AOB
			0.0		Chargeable

COURSE TITLE: JSOW Organizational Maintenance for Instructors
COURSE DEVELOPER: WTT
INSTRUCTOR: WTT
COURSE LENGTH: TBD

<u>LOCATION, UIC</u>	<u>DATE BEGIN</u>	<u>STUDENTS OFF</u>	<u>ENL</u>	<u>CIV</u>	<u>ACTIVITY DESTINATION</u>
TBD	6 months prior to start of follow-on training		14.0		Input MAWSLANT (2), MAWSPAC (2), SFWSL (2), SFWP (2), AO A1 School (2), NAMTG Cecil field, NAMTG Lemoore, VMAT-203 FREST (2)
			0.0		AOB
			0.0		Chargeable

III.A.1. INITIAL TRAINING REQUIREMENTS

COURSE TITLE: JSOW Intermediate Maintenance (NAMTG and FREST instructors)
COURSE DEVELOPER: WTT
INSTRUCTOR: WTT
COURSE LENGTH: TBD

<u>LOCATION, UIC</u>	<u>DATE BEGIN</u>	<u>STUDENTS</u>			<u>ACTIVITY</u>	<u>DESTINATION</u>
		<u>OFF</u>	<u>ENL</u>	<u>CIV</u>		
TBD	6 months prior to start of follow-on training			10.0	Input	MTU 4030 Mayport (2), MTU 4032 Norfolk VA. (2), MTU 4033 North Island (2), VMAT-203 FREST (2)
				0.0	AOB	
				0.0	Chargeable	

COURSE TITLE: JSOW Familiarization and Organizational Maintenance (TIPT Personnel)
COURSE DEVELOPER: WTT
INSTRUCTOR: WTT
COURSE LENGTH: TBD

<u>LOCATION, UIC</u>	<u>DATE BEGIN</u>	<u>STUDENTS</u>			<u>ACTIVITY</u>	<u>DESTINATION</u>
		<u>OFF</u>	<u>ENL</u>	<u>CIV</u>		
TBD	6 months prior to fleet introduction	TBD	TBD	TBD	Input	PACMISTESTCEN, Point Mugu
					AOB	
					Chargeable	

NOTE: As updated information on initial training becomes available it will be incorporated into this NTSP.

February 1999

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: MTU-4030 NAMTRAGRUDET

LOCATION, UIC: NAS Mayport, 66069

CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

SOURCE: NAVY STUDENT CATEGORY: ACDU-TAR

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	35	0	35	0	35	0	35	0	35	ATIR
0	32	0	32	0	32	0	32	0	32	Output
0.0	1.8	0.0	1.8	0.0	1.8	0.0	1.8	0.0	1.8	AOB
0.0	1.8	0.0	1.8	0.0	1.8	0.0	1.8	0.0	1.8	Chargeable

TRAINING ACTIVITY: MTU-4032 NAMTRAGRUDET

LOCATION, UIC: NAS Norfolk, 66046

CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

SOURCE: NAVY STUDENT CATEGORY: ACDU-TAR

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	49	0	49	0	49	0	49	0	49	ATIR
0	44	0	44	0	44	0	44	0	44	Output
0.0	5.1	0.0	5.1	0.0	5.1	0.0	5.1	0.0	5.1	AOB
0.0	5.1	0.0	5.1	0.0	5.1	0.0	5.1	0.0	5.1	Chargeable

SOURCE: NAVY STUDENT CATEGORY: SELRES

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	0	0	0	0	1	0	1	0	1	ATIR
0	0	0	0	0	1	0	1	0	1	Output
0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

TRAINING ACTIVITY: MTU-4033 NAMTRAGRUDET

LOCATION, UIC: NAS North Island, 66065

CIN, COURSE TITLE: E-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

SOURCE: NAVY STUDENT CATEGORY: ACDU-TAR

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	50	0	50	0	50	0	50	0	50	ATIR
0	45	0	45	0	45	0	45	0	45	Output
0.0	2.6	0.0	2.6	0.0	2.6	0.0	2.6	0.0	2.6	AOB
0.0	2.6	0.0	2.6	0.0	2.6	0.0	2.6	0.0	2.6	Chargeable

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: MTU-4035 NAMTRAGRUDET
LOCATION, UIC: NAS Whidbey Island, 66058
CIN, COURSE TITLE: E-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance
SOURCE: NAVY **STUDENT CATEGORY:** ACDU-TAR

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	50	0	50	0	50	0	50	0	50	ATIR
0	45	0	45	0	45	0	45	0	45	Output
0.0	2.6	0.0	2.6	0.0	2.6	0.0	2.6	0.0	2.6	AOB
0.0	2.6	0.0	2.6	0.0	2.6	0.0	2.6	0.0	2.6	Chargeable

TRAINING ACTIVITY: VMAT-203 FREST
LOCATION, UIC: MCAS Cherry Point, 45483
CIN, COURSE TITLE: M-646-7026, Aircraft Ordnance Intermediate Maintenance (See Note Below)
SOURCE: USMC **STUDENT CATEGORY:** AD-AR

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0	257	0	257	0	257	0	257	0	257	ATIR
0	257	0	257	0	257	0	257	0	257	Output
0.0	55.6	0.0	55.6	0.0	55.6	0.0	55.6	0.0	55.6	AOB
0.0	55.6	0.0	55.6	0.0	55.6	0.0	55.6	0.0	55.6	Chargeable

NOTE: C-646-3105, Aviation Ordnance Intermediate Maintenance Technician, as part of track M-646-7026, is currently listed in OPNAV Aviation Training Management System (OATMS) as 93 days. In July 1997, VMAT-203 shortened this course and is currently teaching it as a 73-day course, as is reflected in this NTSP. This makes the length of training track M-646-7026, Aircraft Ordnance Intermediate Maintenance, 11.4 weeks (79 days). It is shown in OATMS as 99 days.

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

The following elements are not affected at this time by the JSOW and, therefore, are not included in Part IV of this NTSP:

IV.A. Training Hardware

IV.A.4. Repair Parts for Technical Training Equipment

IV.C. Facility Requirements

IV.C.1 Facility Requirements Summary (Space/Support) by Activity

IV.C.2. Facility Requirements Detailed by Activity and Course

IV.C.3. Facility Project Summary by Program

NOTE: Unitary CATM requirements will be identified in later updates of this NTSP.

NOTE: No new or modified training facilities are required for the JSOW.

IV.A. TRAINING HARDWARE

IV.A.1. TTE/GPTE/SPTE/ST/GPETE/SPETE

TRAINING ACTIVITY: AO "A" School LOCATION, UIC: NATTC Pensacola, 63082 CIN, COURSE TITLE: C-646-2012, Aviation Ordnanceman Airwing Strand Class A1 C-646-2013, Aviation Ordnanceman Weapons Department Strand Class A1						
<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE 001	ADU-775/E Transport Adapter		2	TBD		
002	ADU-783/E Trolley Adapter		2	TBD		
GPTE 001	CMBRE		1	TBD		
SPTE 001	CMBRE		1	TBD		

TRAINING ACTIVITY: SFWS Atlantic LOCATION, UIC: NAS Cecil Field, 47084 CIN, COURSE TITLE: D-646-0640, F/A-18 Conventional Weapons Loading						
<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE 001	ADU-775/E Transport Adapter		2	TBD		
002	ADU-783/E Trolley Adapter		2	TBD		
GPTE 001	CMBRE		1	TBD		
SPTE 001	CMBRE		1	TBD		

N88-NTSP-A-50-8906B/D
February 1999

IV.A.1. TTE/GPTE/SPTE/ST/GPETE/SPETE

TRAINING ACTIVITY: SFWS Pacific						
LOCATION, UIC: NAS Lemoore, 35185						
CIN, COURSE TITLE: E-646-0640, F/A-18 Conventional Weapons Loading						
<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE 001	ADU-775/E Transport Adapter		2	TBD		
002	ADU-783/E Trolley Adapter		2	TBD		
GPTE 001	CMBRE		1	TBD		
SPTE 001	CMBRE		1	TBD		

TRAINING ACTIVITY: VMAT-203, FREST						
LOCATION, UIC: MCAS Cherry Point, 66047						
CIN, COURSE TITLE: C-646-3893, AV-8B Conventional Weapons Loading Organizational Maintenance						
C-646-9888, AV-8B Aircraft Ordnance Technician Integrated Organizational Maintenance						
C-646-3105, Aviation Ordnance Intermediate Maintenance Technician						
<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE 001	ADU-775/E Transport Adapter		2	TBD		
002	ADU-783/E Transport Trolley		2	TBD		
GPTE 001	CMBRE		1	TBD		
SPTE 001	CMBRE		1	TBD		

N88-NTSP-A-50-8906B/D
February 1999

IV.A.1. TTE/GPTE/SPTE/ST/GPETE/SPETE

TRAINING ACTIVITY: MTU-4030 NAMTRAGRUDET LOCATION, UIC: NS Mayport, 66069 CIN, COURSE TITLE: C-646-4109, Weapons Department Air Launched Weapons General C-122-3111, Air Launched Guided Missile I Level Maintenance						
<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE 001	ADU-775/E Transport Adapter		2	TBD		
002	ADU-783/E Transport Trolley		2	TBD		
GPTE 001	CMBRE		1	TBD		
SPTE 001	CMBRE		1	TBD		

TRAINING ACTIVITY: MTU-4032 NAMTRAGRUDET LOCATION, UIC: NAS Norfolk, 66046 CIN, COURSE TITLE: C-646-4109, Weapons Department Air Launched Weapons General C-122-3111, Air Launched Guided Missile I Level Maintenance						
<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE 001	ADU-775/E Transport Adapter		2	TBD		
002	ADU-783/E Transport Trolley		2	TBD		
GPTE 001	CMBRE		1	TBD		
SPTE 001	CMBRE		1	TBD		

IV.A.1. TTE/GPTE/SPTE/ST/GPETE/SPETE

TRAINING ACTIVITY: MTU-4033 NAMTRAGRUDET LOCATION, UIC: NAS North Island, 66065 CIN, COURSE TITLE: C-646-4109, Weapons Department Air Launched Weapons General C-122-3111, Air Launched Guided Missile I Level Maintenance						
<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE 001	ADU-775/E Transport Adapter		2	TBD		
002	ADU-783/E Transport Trolley		2	TBD		
GPTE 001	CMBRE		1	TBD		
SPTE 001	CMBRE		1	TBD		

TRAINING ACTIVITY: MTU-4035 NAMTRAGRUDET LOCATION, UIC: NAS Whidbey Island, 66058 CIN, COURSE TITLE: C-646-4109, Weapons Department Air Launched Weapons General C-122-3111, Air Launched Guided Missile I Level Maintenance						
<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE 001	ADU-775/E Transport Adapter		2	TBD		
002	ADU-783/E Transport Trolley		2	TBD		
GPTE 001	CMBRE		1	TBD		
SPTE 001	CMBRE		1	TBD		

N88-NTSP-A-50-8906B/D
February 1999

IV.A.1. TTE/GPTE/SPTE/ST/GPETE/SPETE

TRAINING ACTIVITY: NAVSCOLEOD LOCATION, UIC: NSW Indian Head, 42136 CIN, COURSE TITLE: A-431-0011, EOD Phase II (Navy) A-431-0012, EOD Phase II (Other)						
<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE 001	ADU-775/E Transport Adapter		2	Apr 99		
002	ADU-783/E Transport Trolley		2	Apr 99		
GPTE 001	CMBRE		1	TBD		
SPTE 001	CMBRE		1	TBD		
TRAINING ACTIVITY: EODTEU ONE LOCATION, UIC: NAS Barbers Point, 30202 CIN, COURSE TITLE: G-431-0003, EOD Shore Detachment Training						
<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE 001	ADU-775/E Transport Adapter		2	Apr 99		
002	ADU-783/E Transport Trolley		2	Apr 99		
GPTE 001	CMBRE		1	TBD		
SPTE 001	CMBRE		1	TBD		
TRAINING ACTIVITY: EODTEU TWO LOCATION, UIC: Fort Story, 43505 CIN, COURSE TITLE: G-431-0003, EOD Shore Detachment Training						
<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE 001	ADU-775/E Transport Adapter		2	Apr 99		
002	ADU-783/E Transport Trolley		2	Apr 99		
GPTE 001	CMBRE		1	TBD		
SPTE 001	CMBRE		1	TBD		

IV.A.2. TRAINING DEVICES

DEVICE:	Captive Air Training Missile (CATM)				
DESCRIPTION OF DEVICE:	The Captive Air Training Missile (CATM) will be used as captive carry training devices for aircrewmembers.				
MANUFACTURER:	Raytheon Missile Systems Company (formerly Hughes Missile Systems Company)				
CONTRACT NUMBER:	N00019-91-0196				
TEE STATUS:	TBD				
TRAINING ACTIVITY LOCATION, UIC	QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
VFA-106	1	6 months prior to			F/A-18A Fleet Replacement Pilot Cat. 1
NAS Cecil Field, 47084	1	fleet introduction			F/A-18A Fleet Replacement Pilot Cat. 2A
	1				F/A-18A Fleet Replacement Pilot Cat. 3A
	1				F/A-18A Fleet Replacement Pilot Cat. 4
VFA-125	1	6 months prior to			F/A-18A Fleet Replacement Pilot Cat. 1
NAS Lemoore, 35185	1	fleet introduction			F/A-18A Fleet Replacement Pilot Cat. 2A
	1				F/A-18A Fleet Replacement Pilot Cat. 3A
	1				F/A-18A Fleet Replacement Pilot Cat. 4
VFMAT-101	1	6 months prior to			F/A-18A Fleet Replacement Pilot Cat. 1
MCAS Miramar, 57081	1	fleet introduction			F/A-18A Fleet Replacement Pilot Cat. 2A
	1				F/A-18A Fleet Replacement Pilot Cat. 3A
	1				F/A-18A Fleet Replacement Pilot Cat. 4
	1				F/A-18D Fleet Replacement Pilot Cat. 1
	1				F/A-18D Fleet Replacement Pilot Cat. 2
	1				F/A-18D Fleet Replacement Pilot Cat. 3
	1				F/A-18D Fleet Replacement Pilot Cat. 4
	1				F/A-18D Weapons and Sensor Operator Cat. 1
	1				F/A-18D Weapons and Sensor Operator Cat. 2
	1				F/A-18D Weapons and Sensor Operator Cat. 3
	1				F/A-18D Weapons and Sensor Operator Cat. 4
VMAT-203	1	6 months prior to			AV-8B Pilot Basic
MCAS Cherry Point,	1	fleet introduction			AV-8B Pilot Transition
66047	1				AV-8B Pilot Conversion
	1				AV-8B Pilot Refresher
	1				AV-8B Pilot Modified Refresher
NAWCWD	2	6 months prior to			TBD ¹
Point Mugu, 63126		fleet introduction			
CV/CVN	2	6 months prior to			Qual/Cert ¹
Norfolk, 00188	2	fleet introduction			Qual/Cert ¹
Weapons Dept.	1	6 months prior to			Qual/Cert ¹
NAF Atsugi, 62507		fleet introduction			
Weapons Dept.	2	6 months prior to			Qual/Cert ¹
NAS Lemoore, 63042		fleet introduction			
Weapons Dept.	2	6 months prior to			Qual/Cert ¹
NAS Cecil Field, 60200		fleet introduction			
MAG/MALS-31	1	6 months prior to			Qual/Cert ¹
MCAS Beaufort, 60169		fleet introduction			

IV.A.2. TRAINING DEVICES

<u>TRAINING ACTIVITY LOCATION, UIC</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>RFT DATE</u>	<u>STATUS</u>	<u>COURSES SUPPORTED</u>
VFA-125/VFA-106 Fallon, 68847	1	6 months prior to fleet introduction			Qual/Cert ¹
MAG 11 Miramar, 45495	1	6 months prior to fleet introduction			Qual/Cert ¹
VX-9 China Lake, 52818	1	6 months prior to fleet introduction			Qual/Cert ¹
PAC CV/CVN San Diego, 57025	2	6 months prior to fleet introduction			Qual/Cert ¹
TOTAL:	42				

DEVICE: Dummy Air Training Missile (DATM)

DESCRIPTION OF DEVICE: The Dummy Air Training Missile (DATM) will be of the same external configuration, weight and center of gravity as current training devices, but will not be functional.

MANUFACTURER: Raytheon Missile Systems Company (formerly Hughes Missile Systems Company)

CONTRACT NUMBER: NA00019-91-0196

TEE STATUS: TBD

<u>TRAINING ACTIVITY LOCATION, UIC</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>RFT DATE</u>	<u>STATUS</u>	<u>COURSES SUPPORTED</u>
AO A School NATTC Pensacola, 63115	1	6 months prior to fleet introduction			AO A1 School (Core) AO A1 School (Airwing Strand) AO A1 School (Ship/Shore Strand)
MTU-4030 NAMTG NAS Mayport, 66069	1	6 months prior to fleet introduction			Weapons Dept. Air Launched Weapons Supervisors Weapons Dept Air Launched Weapons General Air Launched Guided Missile Intermediate Maintenance
MTU-4032 NAMTG NAS Norfolk, 66046	1	6 months prior to fleet introduction			Weapons Dept. Air Launched Weapons Supervisors Weapons Dept Air Launched Weapons General Air Launched Guided Missile Intermediate Maintenance
MTU-4033 NAMTG NAS North Island, 66065	1	6 months prior to fleet introduction			Weapons Dept. Air Launched Weapons Supervisors Weapons Dept Air Launched Weapons General Air Launched Guided Missile Intermediate Maintenance

IV.A.2. TRAINING DEVICES

<u>TRAINING ACTIVITY LOCATION, UIC</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>RFT DATE</u>	<u>STATUS</u>	<u>COURSES SUPPORTED</u>
MTU-4035 NAMTG NAS Whidbey Island, 66058	1	6 months prior to fleet introduction			Weapons Dept. Air Launched Weapons Supervisors Weapons Dept Air Launched Weapons General Air Launched Guided Missile Intermediate Maintenance
SFWSL NAS Cecil Field, 47084	1	6 months prior to fleet introduction			Conventional Weapons Release and Loading
SFWSP NAS Lemoore, 35185	1	6 months prior to fleet introduction			Conventional Weapons Release and Loading
VMAT-203 FREST MCAS Cherry Pt, 66047	1	6 months prior to fleet introduction			Aviation Ordnance Integrated Maint. Technician Conventional Weapons Loading Organizational Ordnance Tech. Integrated Org. Maint.
NAWCWD Point Mugu, 63126	1	6 months prior to fleet introduction			TBD ¹
CV/CVN Norfolk, 00188	2	6 months prior to fleet introduction			Qual/Cert ¹ Qual/Cert ¹
Weapons Dept. NAF Atsugi, 62507	1	6 months prior to fleet introduction			Qual/Cert ¹
Weapons Dept. NAS Lemoore, 63042	2	6 months prior to fleet introduction			Qual/Cert ¹
Weapons Dept. NAS Cecil Field, 60200	2	6 months prior to fleet introduction			Qual/Cert ¹
MAG/MALS-31 MCAS Beaufort, 60169	1	6 months prior to fleet introduction			Qual/Cert ¹
VFA-125/VFA-106 Fallon, 68847	1	6 months prior to fleet introduction			Qual/Cert ¹
MAG 11 Miramar, 45495	1	6 months prior to fleet introduction			Qual/Cert ¹

IV.A.2. TRAINING DEVICES

<u>TRAINING ACTIVITY</u> <u>LOCATION, UIC</u>	<u>QTY</u> <u>REQD</u>	<u>DATE</u> <u>REQD</u>	<u>RFT</u> <u>DATE</u>	<u>STATUS</u>	<u>COURSES</u> <u>SUPPORTED</u>
VX-9 China Lake, 52818	1	6 months prior to fleet introduction			Qual/Cert ¹
PAC CV/CVN San Diego, 57025	2	6 months prior to fleet introduction			Qual/Cert ¹
TOTAL:	23				

¹ These courses are currently under development. Further information will be included in this NTSP as future updates become available.

IV.B. COURSEWARE REQUIREMENTS

IV.B.1 TRAINING SERVICES

<u>COURSE/TYPE OF TRAINING</u>	<u>SCHOOL/LOCATION/UIC</u>	<u>NO. OF PERSONNEL</u>	<u>MAN WEEKS REQUIRED</u>	<u>BEGIN DATE</u>
JSOW Pilot/NFO Familiarization (TECHEVAL/OPEVAL)	NAWC China Lake, 60530	4	.8	30 days prior to first EVAL
JSOW Organizational and Intermediate Level Maintenance (TECHEVAL/OPEVAL)	NAWC China Lake, 60530	4	1.6	30 days prior to first EVAL
JSOW Organizational Maintenance (NAMTG, SFWSL, FREST, AO A1 School Instructors)	TBD	TBD	TBD	3 months prior to start of follow-on training
JSOW Intermediate Maintenance (NAMTG Instructors and USMC FRESTs)	TBD	TBD	TBD	3 months prior to start of follow-on training
JSOW Familiarization and Organizational Maintenance (TIPT Personnel)	TBD	TBD	TBD	3 months prior to start of follow-on training

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: VFA-106 LOCATION, UIC: NAS Cecil Field, 09679 CIN, COURSE TITLE: D-2A-0601, F/A-18 Fleet Replacement Pilot Cat 1 D-2A-0602, F/A-18 Fleet Replacement Pilot Cat 2A D-2A-0604, F/A-18 Fleet Replacement Pilot Cat 3A D-2A-0606, F/A-18 Fleet Replacement Pilot Cat 4			
<u>TYPE OF MATERIAL OR AID</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	1 Set	fleet introduction	
TRAINING ACTIVITY: VFA-125 LOCATION, UIC: NAS Lemoore, 65559 CIN, COURSE TITLE: E-2A-0601, F/A-18 Fleet Replacement Pilot Cat 1 E-2A-0602, F/A-18 Fleet Replacement Pilot Cat 2A E-2A-0604, F/A-18 Fleet Replacement Pilot Cat 3A E-2A-0606, F/A-18 Fleet Replacement Pilot Cat 4			
<u>TYPE OF MATERIAL OR AID</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	1 Set	fleet introduction	
TRAINING ACTIVITY: VMFAT-101 LOCATION, UIC: MCAS Miramar, 45526 CIN, COURSE TITLE: F/A-18 Fleet Replacement Pilot Cat. 1 F/A-18 Fleet Replacement Pilot Cat.2A F/A-18 Fleet Replacement Pilot Cat. 3A F/A-18 Fleet Replacement Pilot Cat. 4 F/A-18D Fleet Replacement Pilot Cat. 1 F/A-18D Fleet Replacement Pilot Cat. 2 F/A-18D Fleet Replacement Pilot Cat. 3 F/A-18D Fleet Replacement Pilot Cat. 4 F/A-18D Weapons and Sensor Operator Cat. 1 F/A-18D Weapons and Sensor Operator Cat. 2 F/A-18D Weapons and Sensor Operator Cat. 3 F/A-18D Weapons and Sensor Operator Cat. 4			
<u>TYPE OF MATERIAL OR AID</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	3 Sets	fleet introduction	

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: VMAT-203 LOCATION, UIC: MCAS Cherry Point, 45483 CIN, COURSE TITLE: AV-8 Pilot Basic AV-8 Pilot Transition AV-8 Pilot Conversion AV-8 Pilot Refresher AV-8 Pilot Modified Refresher			
<u>TYPE OF MATERIAL OR AID</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	1 Set	fleet introduction	
TRAINING ACTIVITY: AO A1 School LOCATION, UIC: NATTC Pensacola, 63115 CIN, COURSE TITLE: C-646-2011, AO A1 School (Core) C-646-2012, AO A1 School (Airwing Strand) C-646-2013, AO A1 School (Ship/Shore Strand)			
<u>TYPE OF MATERIAL OR AID</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Core			
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	3 Sets	fleet introduction	
Airwing Strand			
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	3 Sets	fleet introduction	
Ship/Shore Strand			
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	3 Sets	fleet introduction	
TRAINING ACTIVITY: MTU 4030 NAMTG LOCATION, UIC: NAS Mayport, 66069 CIN, COURSE TITLE: C-646-4108, Weapons Department Air Launched Weapons Supervisors C-646-4109, Weapons Department Air Launched Weapons General C-122-3111, Air Launched Guided Missile Intermediate Maintenance			
<u>TYPE OF MATERIAL OR AID</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	3 Sets	fleet introduction	
TRAINING ACTIVITY: MTU 4032 NAMTG LOCATION, UIC: NAS Norfolk, 66046 CIN, COURSE TITLE: C-646-4108, Weapons Department Air Launched Weapons Supervisors C-646-4109, Weapons Department Air Launched Weapons General C-122-3111, Air Launched Guided Missile Intermediate Maintenance			
<u>TYPE OF MATERIAL OR AID</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	3 Sets	fleet introduction	

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: MTU 4033 NAMTG LOCATION, UIC: NAS North Island, 66065 CIN, COURSE TITLE: C-646-4108, Weapons Department Air Launched Weapons Supervisors C-646-4109, Weapons Department Air Launched Weapons General C-122-3111, Air Launched Guided Missile Intermediate Maintenance			
<u>TYPE OF MATERIAL OR AID</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	3 Sets	fleet introduction	
TRAINING ACTIVITY: MTU 4035 NAMTG LOCATION, UIC: NAS Whidbey Island, 66058 CIN, COURSE TITLE: C-646-4108, Weapons Department Air Launched Weapons Supervisors C-646-4109, Weapons Department Air Launched Weapons General C-122-3111, Air Launched Guided Missile Intermediate Maintenance			
<u>TYPE OF MATERIAL OR AID</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	3 Sets	fleet introduction	
TRAINING ACTIVITY: SFWS Atlantic LOCATION, UIC: NAS Cecil Field, 47084 CIN, COURSE TITLE: D-646-0640, F/A-18 Conventional Weapons Release and Loading			
<u>TYPE OF MATERIAL OR AID</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	3 Sets	fleet introduction	
TRAINING ACTIVITY: SFWS Pacific LOCATION, UIC: NAS Lemoore, 35185 CIN, COURSE TITLE: E-646-0640, F/A-18 Conventional Weapons Release and Loading			
<u>TYPE OF MATERIAL OR AID</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	3 Sets	fleet introduction	
TRAINING ACTIVITY: VMAT-203 FREST LOCATION, UIC: MCAS Cherry Point, 66047 CIN, COURSE TITLE: C-646-3105, Aviation Ordnance Integrated Maintenance Technician C-646-3893, AV-8B Conventional weapons Loading Organizational Course C-646-9888, AV-8B Aircraft Ordnance Technician Integrated Organizational Maintenance			
<u>TYPE OF MATERIAL OR AID</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	3 Sets	fleet introduction	

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: NAVSCOLEOD LOCATION, UIC: NSCW Indian Head, 42136 CIN, COURSE TITLE: A-431-0011, EOD Phase II (Navy) A-431-0012, EOD Phase II (Other)			
<u>TYPE OF MATERIAL OR AID</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Navy			
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	1 Set	fleet introduction	
Other			
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	1 Set	fleet introduction	

TRAINING ACTIVITY: EODTEU ONE LOCATION, UIC: NAS Barbers Point, 30202 CIN, COURSE TITLE: G-431-0001, EOD Pre-Deployment Training G-431-0003, EOD Shore Detachment Training G-431-0005, EOD Mobile Team Training			
<u>TYPE OF MATERIAL OR AID</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
G-431-0001, Pre-Deployment			
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	1 Set	fleet introduction	
G-431-0003, Shore Detachment			
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	1 Set	fleet introduction	
G-431-0005, Mobile Team			
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	1 Set	fleet introduction	

TRAINING ACTIVITY: EODTEU ONE LOCATION, UIC: Fort Story, 43505 CIN, COURSE TITLE: G-431-0001, EOD Pre-Deployment Training G-431-0003, EOD Shore Detachment Training G-431-0005, EOD Mobile Team Training			
<u>TYPE OF MATERIAL OR AID</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
G-431-0001, Pre-Deployment			
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	1 Set	fleet introduction	
G-431-0003, Shore Detachment			
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	1 Set	fleet introduction	
G-431-0005, Mobile Team			
Training Conduct Support Document	1	6 months prior to	
JSOW ICW	1 Set	fleet introduction	

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: VFA-106
LOCATION, UIC: NAS Cecil Field, 09679
CIN, COURSE TITLE: D-2A-0601, F/A-18 Fleet Replacement Pilot Cat 1
D-2A-0602, F/A-18 Fleet Replacement Pilot Cat 2A
D-2A-0604, F/A-18 Fleet Replacement Pilot Cat 3A
D-2A-0606, F/A-18 Fleet Replacement Pilot Cat 4

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Hard copy	6		
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Hard copy	6		
Tactical Manual, A1-F18AC-TAC-000	Hard copy	6		
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Hard copy	6		
Airborne Weapons/Stores Loading Manual, A1-F18AE-LWS-000	Hard copy	6		
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	6		
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	6		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 2	Hard copy	6		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 2	Hard copy	6		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	6		
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	6		
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	6		
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	6		
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	6		

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: VFA-125
LOCATION, UIC: NAS Lemoore, 65559
CIN, COURSE TITLE: E-2A-0601, F/A-18 Fleet Replacement Pilot Cat 1
 E-2A-0602, F/A-18 Fleet Replacement Pilot Cat 2A
 E-2A-0603, F/A-18 Fleet Replacement Pilot Cat 2F
 E-2A-0604, F/A-18 Fleet Replacement Pilot Cat 3A
 E-2A-0605, F/A-18 Fleet Replacement Pilot Cat 2H
 E-2A-0606, F/A-18 Fleet Replacement Pilot Cat 4

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Hard copy	6		
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Hard copy	6		
Tactical Manual, A1-F18AC-TAC-000	Hard copy	6		
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Hard copy	6		
Airborne Weapons/Stores Loading Manual, A1-F18AE-LWS-000	Hard copy	6		
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	6		
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	6		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 2	Hard copy	6		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 2	Hard copy	6		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	6		
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	6		
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	6		
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	6		
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	6		

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, FL, 30459
CIN, COURSE TITLE: C-646-2010, AO A1 School

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Approved Handling Equipment for Weapons and Explosives, NAVSEA OP-2173, Change 2	Hard copy	8		
F-18 Aircraft Airborne Weapons Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		
Airborne Weapons Packaging/Handling/Storage Shipboard Vol. 2, NA 11-120A-1.2	Hard copy	8		
Airborne Weapons/Stores Checklist Transporting and Loading Equipment Configuration (Shipboard), NA 19-95-1	Hard copy	8		
Airborne Weapons/Stores Checklist Transporting and Loading Equipment Configuration (Shore Based), NA 19-95-3	Hard copy	8		
USN Handling Equipment Afloat, NA 19-100-2	Hard copy	8		
Ammunition and Explosives - Afloat, NAVSEA OP-4	Hard copy	8		
Ammunition and Explosives - Ashore, NAVSEA OP-5	Hard copy	8		
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	6		
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	6		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 2	Hard copy	6		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 2	Hard copy	6		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	6		
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	6		
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	6		
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	6		

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: Strike Fighter Weapons School Pacific (SFWSP)
LOCATION, UIC: NAS Lemoore, 35185
CIN, COURSE TITLE: E-646-0640, F/A-18 Weapons Release and Loading

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
F/A-18 Aircraft Airborne Weapons/Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	8		
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: Strike Fighter Weapons School Atlantic (SFWSL)
LOCATION, UIC: NAS Cecil Field, 47084
CIN, COURSE TITLE: E-646-0647, F/A-18 Conventional Weapons Release Systems Test

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
F/A-18 Aircraft Airborne Weapons/Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	8		
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: Strike Fighter Weapons School Atlantic (SFWSL)
LOCATION, UIC: NAS Cecil Field, 47084
CIN, COURSE TITLE: D-646-0640, F/A-18 Weapons Release and Loading
 D-646-0647, F/A-18 Conventional Weapons Release System Test

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
F/A-18 Aircraft Airborne Weapons/Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	8		
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 1039 NAMTRAGRUDET

LOCATION, UIC: NAS Cecil Field, 66050

CIN, COURSE TITLE: D-646-9947, F/A-18 Stores Management Integrated Organizational Maintenance

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
F/A-18 Aircraft Airborne Weapons/Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	8		
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 1038 NAMTRAGRUDET

LOCATION, UIC: NAS Lemoore, 66060

CIN, COURSE TITLE: E-646-9947, F/A-18 Stores Management Integrated Organizational Maintenance

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
F/A-18 Aircraft Airborne Weapons/Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	8		
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 4030 NAMTRAGRUDET

LOCATION, UIC: NAS Mayport, 66069

CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missile "I" Maintenance

C-646-4108, Weapons Dept Air Launched Weapons Supervisors

C-646-4109, Weapons Dept Air Launched Weapons General Ordnance

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Airborne Weapons Packaging/Handling/Storage Shipboard Vol. 2, NA 11-120A-1.2	Hard copy	8		
Airborne Weapons/Stores Checklist Transporting and Loading Equipment Configuration (Shore based), NA 19-95-1	Hard copy	8		
NAVSEA OP-4, Ammunitions and Explosives Afloat	Hard copy	8		
USN Handling Equipment Afloat, NA 19-100-2	Hard copy	8		
Airborne Weapons/Stores Checklist Transporting and Loading, NA 19-95-3	Hard copy	8		
Ammunitions and Explosives Ashore, NAVSEA OP-5	Hard copy	8		
F/A-18 Aircraft Airborne Weapons/Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	8		
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 4032 NAMTRAGRUDET

LOCATION, UIC: NAS Norfolk, 66046

CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missile "I" Maintenance
C-646-4108, Weapons Dept Air Launched Weapons Supervisors
C-646-4109, Weapons Dept Air Launched Weapons General Ordnance

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Airborne Weapons Packaging/Handling/Storage Shipboard Vol. 2, NA 11-120A-1.2	Hard copy	8		
Airborne Weapons/Stores Checklist Transporting and Loading Equipment Configuration (Shipboard), NA 19-95-1	Hard copy	8		
Airborne Weapons/Stores Checklist Transporting and Loading Equipment Configuration (Shore Based), NA 19-95-3	Hard copy	8		
USN Handling Equipment Afloat, NA 19-100-2	Hard copy	8		
NAVSEA OP-4, Ammunitions and Explosives Afloat	Hard copy	8		
Ammunitions and Explosives Ashore, NAVSEA OP-5	Hard copy	8		
F/A-18 Aircraft Airborne Weapons/Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	8		
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 4033 NAMTRAGRUDET

LOCATION, UIC: NAS North Island, 66065

CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missile "I" Maintenance

C-646-4108, Weapons Dept Air Launched Weapons Supervisors

C-646-4109, Weapons Dept Air Launched Weapons General Ordnance

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Airborne Weapons Packaging/Handling/Storage Shipboard Vol. 2, NA 11-120A-1.2	Hard copy	8		
Airborne Weapons/Stores Checklist Transporting and Loading Equipment Configuration (Shipboard), NA 19-95-1	Hard copy	8		
Airborne Weapons/Stores Checklist Transporting and Loading Equipment Configuration (Shore Based), NA 19-95-3	Hard copy	8		
USN Handling Equipment Afloat, NA 19-100-2	Hard copy	8		
NAVSEA OP-4, Ammunitions and Explosives Afloat	Hard copy	8		
Ammunitions and Explosives Ashore, NAVSEA OP-5	Hard copy	8		
F/A-18 Aircraft Airborne Weapons/Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	8		
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 4035 NAMTRAGRUDET
LOCATION, UIC: NAS Whidbey Island, 66058
CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missile "I" Maintenance
 C-646-4108, Weapons Dept Air Launched Weapons Supervisors
 C-646-4109, Weapons Dept Air Launched Weapons General Ordnance

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Airborne Weapons Packaging/Handling/Storage Shipboard Vol. 2, NA 11-120A-1.2	Hard copy	8		
Airborne Weapons/Stores Checklist Transporting and Loading Equipment Configuration (Shipboard), NA 19-95-1	Hard copy	8		
Airborne Weapons/Stores Checklist Transporting and Loading Equipment Configuration (Shore Based), NA 19-95-3	Hard copy	8		
USN Handling Equipment Afloat, NA 19-100-2	Hard copy	8		
NAVSEA OP-4, Ammunitions and Explosives Afloat	Hard copy	8		
Ammunitions and Explosives Ashore, NAVSEA OP-5	Hard copy	8		
F/A-18 Aircraft Airborne Weapons/Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	8		
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: NAVSCOLEOD
LOCATION, UIC: NAVSURFWARCEN Indian Head, 30446
CIN, COURSE TITLE: A-431-0011, EOD Phase II (Navy)

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
NAVSEA OP-5, Ammunitions and Explosives Ashore	Hard copy	8		
Airborne Weapons/Stores, NA 19-95-3	Hard copy	8		
F/A-18 Aircraft Airborne Weapons/Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	8		
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: EODTEU ONE
LOCATION, UIC: NAS Barbers Point, 30202
CIN, COURSE TITLE: G-431-0001, EOD Pre-deployment Team Training
 G-431-0003, EOD Shore Detachment Training
 G-431-0005, EOD Mobile Team Training

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
NAVSEA OP-5, Ammunitions and Explosives Ashore	Hard copy	8		
Airborne Weapons/Stores, NA 19-95-3	Hard copy	8		
F/A-18 Aircraft Airborne Weapons/Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	8		
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: EODTEU TWO
LOCATION, UIC: Fort Story, 43505
CIN, COURSE TITLE: G-431-0001, EOD Pre-deployment Team Training
 G-431-0003, EOD Shore Detachment Training
 G-431-0005, EOD Mobile Team Training

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QTY REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
NAVSEA OP-5, Ammunitions and Explosives Ashore	Hard copy	8		
Airborne Weapons/Stores, NA 19-95-3	Hard copy	8		
F/A-18 Aircraft Airborne Weapons/Stores Loading Manual, A1-F18AC-LWS-000	Hard copy	8		
Conventional Weapons Loading Checklist, A1-F18AE-LWS-610	Hard copy	8		
Support Equipment Configuration Manual, NAVAIR 11-140-25	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.1, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 2	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for Air Launched Missiles, NA-140-6.2, Change 3	Hard copy	8		
Airborne Weapons Assembly Manual Checklist for AGM-154, NA-140-6.2-14	Hard copy	8		
Ship Weapons Installation Manual, NA-11-120-79	Hard copy	8		
Approved Handling Equipment for Weapons and Explosives, OP 2173, Change 2	Hard copy	8		
Naval Airborne Weapons Maintenance Programs, OPNAV 8600.2B Interim Change (Msg 160029Z)	Hard copy	8		

N88-NTSP-A-50-8906B/D
February 1999

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
PDA	Commence Analysis of MP&T Requirements	Jul 87	Completed
PDA	Promulgate Draft NTP to ALCON for Review and Commencement	Mar 89	Completed
PDA	Proposed NTP Submitted to OPNAV	Oct 90	Completed
DCNO (MP&T)	Approve and Promulgate NTP	Dec 90	Completed
TSA	Factory Training & Curriculum Material Contract Awarded	Jul 95	Completed
PDA	Production Contract Awarded (LRIP)	Oct 95	Completed
PDA	ILS Master Plan Promulgated	Nov 95	Completed
DCNO/DMSO (MP&T)	NTSP Update Conference	As required	
DCNO (MP&T)	Promulgate Update NTSP	As required	
TSA	Commence Initial Training	FY 98	Completed
OPTEVFOR	Commence OPEVAL	FY 97	Completed
NMPC	Commence Programming for Officer Training	Jan 97	8 months prior to fleet introduction
TSA	Curricula Materials Delivered	Aug 98	6 months prior to fleet introduction
TA	Commence Follow-On/Replacement Training	Aug 98	6 months prior to fleet introduction
PDA	Fleet Introduction	Oct 98	6 months prior to fleet introduction

PART VI - DECISION ITEMS/ACTION REQUIRED

DECISION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS
No Action Items Pending.			

PART VII - POINTS OF CONTACT

NAME, ACTIVITY, CODE	FUNCTION	PHONE: NUMBER COMMERCIAL/DSN, FAX: COMMERCIAL/DSN, INTERNET ADDRESS
CAPT Taylor CNO N880D	HD, Strike/ASUW	225/(703) 695-1634 2245/(703) 695-8823 (fax) taylor.robert2@hq.navy.mil
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AZC S. Dean CNO N889H7	NTSP Manager	664/(703) 604-7714 664/(703) 604-6939 (fax) dean.scott@hq.navy.mil
CAPT Johnston NAVAIRSYSCOM PMA201	Program Manager	757/(301) 757-7477 757/(301) 757-7446 (fax) johnstonb@navair.navy.mil
Keith Sanders NAVAIRSYSCOM PMA201E	Deputy Program Manager	757/(301) 757-7475 757/(301) 757-7446 (fax) sandersdk@navair.navy.mil
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Mr. Ildegardo Olea * NAVAIRSYSCOM AIR 3.1.1K	JSOW APML	757/(301) 757-7446 757/(301) 757-7446 (fax) oleais@navair.navy.mil
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CAPT Pratt CNET ETE 322	AVORD Training	922/(850) 452-4883 922/(850) 451-4901 (fax) capt-paul.pratt@smtp.cnet.navy.mil
AOCM Carroll * NAMTRAGRUHQ N2412	Technical Coordinator	922 (850) 452-9787X252 922/(850) 452-9769 (fax) namtghq.n24@smtp.post.ih.navy.mil

Note: (*) denotes member of the Weapons Training Team (WTT).

PART VII - POINTS OF CONTACT

NAME, ACTIVITY, CODE	FUNCTION	PHONE: NUMBER COMMERCIAL/DSN, FAX: COMMERCIAL/DSN, INTERNET ADDRESS
CDR. Seligman NAVSCOLEOD	AOIC	872/(850) 882-9080 872/(850) 882-7915 (fax) seligmar@eglin.af.mil
Mr. A. Sargent NAVMAC 33	NTSP Coordinator	882/(901) 874-6247 882/(901) 874-6471 (fax) al.sargent@navmac.navy.mil
LtCol Benbow CMC ASL-30	Headquarters Marine Corps Logistics	224/(703) 614-1133 224/(703) 697-7343 (fax) rbenbow@notes.hqi.usmc.mil
Maj Nettles CMC MMOA-2	Marine Corp. Officer Monitor	224/(703) 784-9864 224/(703) 784-9267 (fax) E-Mail not available
GYSgt Cagle CMC MMEA-84	Marine Corp. Enlisted Monitor	224/(703) 784-9364 224/(703) 784-9245 (fax) eahnradwcagle@manpower.usmc.mil
Linda Whitham * NAWC/WD China Lake 471J00D	Technical Training Support	469/(760) 939-8788 469/(760) 939-8750 (fax) whithamlm@navair.navy.mil
LCDR M. Murphy * NAWC/WD China Lake	JSOW Project Pilot	469/(619) 939-0613 469/(619) 939-8750 (fax) murphym@navair.navy.mil
CDR Peters * CNAP CNAP (N85)	Coordinate TYCOM training issues	735/(619) 545-2793 735/(619) 545-2774 (fax) pters.norman.b@cnap.navy.mil
CDR T. Schriener * CNAL CNAL (N85)	Coordinate TYCOM training issues	564/(757) 444-7481 564/(757) 444-7483 (fax) n85@airlant.navy.mil
LT P. Castello * OPTEVFOR	Support OPEVAL training	564/(757) 444-5546 x3271 564/(757) 444-3820 (fax) castellp@cotf.navy.mil
Lt. C. Hansen * SFWSLANT	SME training support	860/(904) 778-6450 860/(904) 778-5583 (fax) hansen@sfwsl.navy.mil
Lt. T. Wright* SFWSPAC	SME training support	949/(209) 998-1179 949/(209) 998-1164 (fax) wright@sfwspac.lemoore.mil

Note: (*) denotes member of the Weapons Training Team (WTT).

PART VII - POINTS OF CONTACT

NAME, ACTIVITY, CODE	FUNCTION	PHONE: NUMBER COMMERCIAL/DSN, FAX: COMMERCIAL/DSN, INTERNET ADDRESS
Mr. Phil Szczygłowski NAVAIRSYSCOM AIR-3.4.1.1	Competency Manager	757(301) 757-9182 757/(301) 757-4723 (fax) szczygłowspr@navair.navy.mil
AVCM Roger Lovern NAVAIRSYSCOM AIR-3.4.1.1	NTSP Manager	757(301) 757-9183 757/(301) 757-4723 (fax) lovernre@navair.navy.mil